

PHASE I BOOK EXPLOITATION SOV/5356

Khromov, Boris Mikhaylovich, Professor

Kombinirovannyye luchevyye porazheniya (Combined Radiation Injuries) [Leningrad]
Medgiz, 1959. 341 p. 10,000 copies printed.

Ed.: L.I. Garvin; Tech. Ed.: F.Ya. Shevchenko.

PURPOSE: This book is intended for physicians, surgeons, radiologists, and other specialists concerned with the effect of nuclear radiation on the human organism and the treatment of the injuries incurred.

COVERAGE: This is a handbook on the pathology, clinical treatment, and therapy of complex radiation injuries incurred in atomic or thermonuclear explosions, with particular attention given to surgical treatment. Though the book is devoted mainly to complex radiation injuries (different combinations of mechanical, thermal, and radiation trauma) pure forms, such as radiation and thermal burns, and compression syndromes are also discussed. The book is based on available Soviet and non-Soviet sources as well as the author's own experimental work.

Card-1/4

Combined Radiation Injuries

SOV/5356

According to the author this is the first Soviet attempt to summarize available data on surgical treatment of complex radiation injuries. There are 554 references: 369 Soviet, 138 English, 24 French, 21 German, and 2 Czech.

TABLE OF CONTENTS:

Foreword	3
Ch. I. Basic Information on Injury Factors in an Atomic Explosion	5
Shock wave	7
Light radiation	11
Penetrating (ionizing) radiation	14
Radioactive contamination	19
Ch. II. General Characteristics of Injuries Incurred in an Atomic Bomb Explosion. Complex Radiation Injuries, Their Classification and Characteristics	27

Card-2/4

KHROMOV, B.M., prof. glavnyy khirurg (Leningrad, ul. Kuybysheva, d.3, kv. 7)

Some data on anesthesia in surgery for acute cholecystitis. Nov. khir.
arkh. no.2:63-67 Mr-Ap '59. (MIRA 12:7)

1. Leningradskiy gorodskoy otdel zdavookhraneniya.
(GALL BLADDER--SURGERY) (ANESTHESIA)

KHROMOV, B.M., prof.

Practice in the dispensary treatment of surgical patients. Zdrav.
Ros.Feder. 3 no.2:22-26 F '59. (MIRA 12:2)

1. Glavnyy khirurg Leningradskogo gorodskogo otdela zdravookhrane-
niya.

(MEDICAL CARE)

KHROMOV, B.M., prof.

Outpatient surgical care in Leningrad. Zdrav.Ros.Fed. 3 no.10:26-
30 0 '59. (MIRA 13:1)

1. Glavnyy khirurg Leningradskogo gorodskogo otdela zdavookhraneniya.
(LENINGRAD--DISPENSARIES)

KEROMOV, B.M., prof.

Traumatism and traumatological aid in the city of Leningrad.
Ortop.travm. i protez. 20 no.7:44-51 J1 '59. (MIRA 12:10)

1. Glavnyy khirurg Leningradskogo gorodskogo otдела zdravookhraneniya.
(WOUNDS AND INJURIES statist.)
(WOUNDED AND SICK statist.)

KHROMOV, B.M., prof. (Leningrad)

"Immobilization of patients during transportation" by M.I.
Levin. Reviewed by B.M.Khromov. Fel'd. 1 akush. 24 no.6:
60-61 Je '59. (MIRA 12:8)
(TRANSPORT OF SICK AND WOUNDED)
(LEVIN, M.I.)

KHROMOV, B.M., prof. (Leningrad)

First All-Union Conference on Compound Radiation Injuries. Vest.
khir. 82 no.2:138-145 '59. (MIRA 12:2)
(RADIATION--PHYSIOLOGICAL EFFECT)
(WOUNDS)

Khromov, B. M. (Prof.); Garvin. L. I. (Docent); Kazantseva, N. D.; Khodneva, E. A.;
Sivstunov, N. I.; Lazareva, K. N.; Fedorovskiy. S. M.--Leningrad

"The Treatment of Burns According to Data of Leningrad Hospitals."

report submitted for the 27th Congress of Surgeons of the USSR, Moscow, 23-28 May 1960.

BAZHENOVA, K.M., kand.med.nauk; GARVIN, L.I., dotsent; KALASHNIKOV, B.P.,
prof.; KARASIK, V.M., prof.; K'YANDSKIY, A.A., prof.; KRISHOVA, N.A.,
prof.; LOPOTKO, I.A., prof.; MASHLAKOVA, P.V., vrach; MESSEL', M.A.,
kand.med.nauk; PUNIN, B.V., prof.; ROZHDESTVENSKIY, V.I., doktor med.
nauk; ROMANOVSKAYA, V.K., vrach; SOSNYAKOV, N.G., prof.; TUR, A.F.,
prof.; TUSHINSKIY, M.D., prof.; FILIPCHENKO, Ye.M., kand.med.nauk;
KHROMOV, B.M., prof.; TSURINOVA, Ye.G., doktor med.nauk; SHRAYBER, M.G.,
prof.; POLIKARPOV, S.N., dotsent; UDERMAN, Sh.I., dotsent, red.;
SHEVCHENKO, F.Ya., tekhn.red.

[Physician's handbook on first aid and emergency care] Spravochnik
vracha skoroi i neotlozhnoi pomoshchi. Leningrad, Gos.izd-vo med.
lit-ry Medgiz, Leningr.otd-nie, 1960. 230 p. (MIRA 13:8)
(MEDICINE--HANDBOOKS, MANUALS, ETC.)

·KHROMOV, B.M., prof.

"Mistakes in surgical practice" by N.I.Krakovskii, IU.IA. Gritsman.
Reviewed by B.M.Khromov. Zdrav. Ros. Feder. 4 no.5:42-43 My '60.
(MIRA 13:11)

(SURGERY) (KRAKOVSKII, N.I.) (GRITSMAN, IU.IA.)

KHROMOV, B.M., prof.

Surgical care in Leningrad hospitals. Zdrav. Ros. Feder. 4 no.8:3-7
Ag '60. (MIRA 13:9)

1. Glavnyy khirurg Leningradskogo gorodskogo otdela zdavoekhraneniya.
(LENINGRAD—OPERATIONS; SURGICAL)

KHROMOV, B.M., prof.

Some indexes of the activity of surgical clinics in Leningrad for the past 5 years. Sov. med. 24 no.4:148-153 Ap '60. (MIRA 13:8)

1. Glavnyy khirurg Leningradskogo gorodskogo otdela zdravookhraneniya.
(~~LENINGRAD~~—OPERATIONS, SURGICAL)

KHROMOV, B.M., prof.

"Organization of the inpatient facilities of the city hospital"
by S.IA.Freidlin. Reviewed by B.M.Khromov. Sov.med. 24 no11:
153-154 N '60. (MIRA 14:3)
(HOSPITALS) (FREIDLIN, S.IA.)

KHROMOV, B.M., prof. (Leningrad)

"Work of the medical nurse in the surgical department" by D.L. Parmenkov. Fel'd. i akush. 25 no.3:58-59 Nr '60.

(MIRA 13:6)

(SURGICAL NURSING) (PARMENKOV, D.L.)

KHROMOV, B.M.

Ambulatory surgical aid in Leningrad. Vest. khir. 85 no. 8:8-12
Ag '60. (MIRA 14:1)
(LENINGRAD—SURGERY) (HOSPITALS—OUTPATIENT SERVICE)

KHROMOV, Boris Mikhaylovich, prof.; NAPALKOV, F.N., prof., nauchnyy
red.; VOROB'YEV, G.S., red. izd-va; GURDZHIYEVA, A.M.,
tekhn. red.

[Surgery in the past, present and future] Khirurgia v prosh-
lom nastoiashchem i budushchem. Leningrad, Ob-vo po raspro-
straneniu polit. i nauchnykh znani RSFSR, 1961. 69 p.

(MIRA 15:2)

(SURGERY)

KHROMOV, B.M., prof.

New methods in advanced training of physicians. Zdrav. Ros. Feder.
5 no.7:23-27 J1 '61. (MIRA 14:7)

1. Iz Leningradskogo ordena Lenina instituta usovershenstvovaniya
vrachey imeni S.M.Kirova. (dir. - dotsent A.Ye.Kiselev).
(MEDICINE--STUDY AND TEACHING)

KHROMOV, B.M., prof. (Leningrad)

Surgical aid for children in Leningrad clinics. Sov.zdrav. 20 no.5:
18-22 '61. (MIRA 14:5)

1. Glavnyy khirurg Leningradskogo gorodskogo otdela zdavookhraneniya.
(~~LENINGRAD~~—~~CHILDREN~~—~~SURGERY~~)

KHROMOV, B.M., prof. (Leningrad)

Some indications for surgical care. Sov. zdrav. 20 no.8:66-67 '61.
(MIRA 15:1)

1. Iz Leningradskogo gorodskogo otdela zdravookhraneniya.
(SURGERY)

KHROMOV, B.K.

Setting protective bushings on the shaft and unloading disk
of "Komsomlets"-type pumps. Khol.tekh. 38 no.2:52 Mr-Mp '61.
(MIRA 14:3)

(Pumping machinery)

KHROMOV, B. M., prof. (Moskva)

News in the surgical treatment of angina pectoris. Fel'd. i
akush. 27 no.5:42-43 My '62. (MIRA 15:7)

(ANGINA PECTORIS)

KHROMOV, B.M., prof. (Leningrad)

Forgotten method of artificial respiration. Fel'd.i akush. 27
no.7:50-53 J1 '62. (MIRA 15:9)

(ARTIFICIAL RESPIRATION)

KHROMOV, B.M., prof. (Leningrad)

If medicines don't help. Zdorov'e 8 no.10:9-10 0 '62.

(MIRA 15:10)

(ANGINA PECTORIS)

KHROMOV, B.M., prof.

Improve the organization of advanced training for physicians
in every way possible. Zdrav.Ros.Feder. 6 no.12:20-22 D '62.
(MIRA 16:1)

1. Iz Leningradskogo ordena Lenina instituta usovershenstvovaniye vrachey imeni S.M.Kirova (rektor - dotsent S.N. Polikarpov).

(MEDICINE—STUDY AND TEACHING)

KHROMOV, B.M., prof. (Leningrad)

The visiting instructors' cycle is a new form of postgraduate training. Sov.zdrav. 21 no.8:50-53 '62. (MIRA 15:11)

1. Iz Leningradskogo instituta usovershenstvovaniya vrachey imeni S.M.Kirova (rektor - dotsent S.N.Polikarpov).
(MEDICINE—STUDY AND TEACHING)

DEMIDOV, Vladimir Aleksandrovich; PETRAKOV, Boris Dmitriyevich;
KHROMOV, Boris Mikhaylovich; GOL'DZIL'BER, E.M., red.;
KOROLEV, A.V., tekhn. red.

[New forms of organization and methods for the work in city
polyclinics; works experience of Polyclinic No.37 in Leningrad]
Novye formy organizatsii i metody raboty gorodskikh poliklinik;
iz opyta raboty polikliniki No.37 Leningrada. Moskva, Medgiz,
1963. 96 p. (MIRA 16:5)
(LENINGRAD--HOSPITALS--ADMINISTRATION)

ABRAKOV, L.V., kand. med. nauk; BLINOV, N.I., prof.; GADZHIYEV, S.A.,
prof.; GODUNOV, S.F., prof.; ZVORYKIN, I.A., prof.; ZEBOL'D,
A.N., prof.; KOROTKEVICH, N.S., dots.; MARLEY, Ye.F.; MASLOV,
S.I., kand. med. nauk; NADEIN, A.P., prof.; POSTNIKOV, B.M.,
prof.; ROZOV, V.I., prof.[deceased]; UGRYUMOV, V.M., prof.;
KHROMOV, B.M., prof.; UDERMAN, Nikolay Il'ich, red.; KHARASH,
G.A., tekhn. red.

[Manual on surgical interventions for surgeons of rural sec-
tional and district hospitals] Rukovodstvo po operativnym vme-
shatel'stvam dlia khirurgov sel'skikh uchastkovykh i raionnykh
bol'nits. Izd.2., ispr. i dop. Leningrad, Medgiz, 1963. 390 p.
(MIRA 16:7)

(SURGERY—HANDBOOKS, MANUALS, ETC.)

KHROMOV, B.M., prof. (Leningrad)

New developments in surgery on the blood vessels. Fel'd. i akush.
28 no.1:23-26 Ja '63.

(MIRA 16:7)

(BLOOD VESSELS—SURGERY)

KHROMOV, Boris Mikhaylovich, prof.; BREGADZE, I.L., red.; BEL'CHIKOVA,
Yu.S., tekhn. red.

[Surgical aid in outpatient polyclinical institutions]
Khirurgicheskaya pomoshch' v ambulatorno-poliklinicheskikh
uchrezhdeniyakh. Moskva, Medgiz, 1963. . 417 p.
(MIRA 17:2)

POLIKARPOV, S.N., dotsent; KHROMOV, B.M., prof.; DOBROVOL'SKIY, Yu.A.,
prof.

Specialization of physicians on local bases. Zdrav.Ros.Fed. 7
no.4:26-31 Ap '63. (MIRA 16:4)

1. Leningradskiy institut usovershenstvovaniya vrachey imeni
S.M.Kirova (rektor - dotsent S.N.Polikarpov).
(MEDICINE--SPECIALTIES AND SPECIALISTS)

KHROMOV, B.M., prof. (Leningrad)

Hernias, their treatment and prophylaxis. Fel'd i akush. 28
no.8:19-22 Ag'63 (MIRA 16:12)

1. Iz Instituta usovershenstvovaniya vrachey imeni S.M.Kirova.

KHROMOV, B.M., prof.; SAMARINA, O.K., dotsent (Leningrad)

Artificial respiration with expired air (mouth-to-mouth and
mouth-to-nose); a review of literature. Klin. med. 41 no.2:
14-19 F'63 (MIRA 17:3)

1. Iz Leningradskogo instituta usovershenstvovaniya vrachey
imeni Kirova.

KHROMOV, B.M., prof. (Leningrad)

"Surgical anatomy of the fasciae and cellular tissues space
in man " by V.V. Kovanov, T.I. Anikhina. Reviewed by B.M.
Khromov. Vest. khir. 70 no.6:145-147 Je'63 (MIRA 16:12)

KHROMOV, Boris Mikhaylovich, prof.; LIGUTIN, Ye.V., red.

[Signal of disaster; emergency surgical diseases of the abdominal cavity] Signal bedstviia; vnezapnye khirurg cheskie zabolevaniia organov briushnoi polosti. 2 izd. Moskva, "Znanie," 1964. 37 p. (Narodnyi universitet kul'tury: Fakul'tet zdorov'ia, no.14) (MIRA 17:7)

BAZHENOVA, K.M., dots.; VOL'FOVSKAYA, R.N., dots.; GARVIN,
Leonid Iosifovich, dots.; KALASHNIKOV, B.P., prof.;
K'YANDSKIY, A.A., prof.; LEVIN, G.Z., prof.; LOPOTKO,
I.A., prof.; PARIYSKAYA, T.V., kand. med. nauk;
ROZHDESTVENSKIY, V.I., doktor med. nauk; ROMANOVSKAYA, V.K.;
TUR, A.F., prof.; KHVILIVITSKIY, T.Ya., prof.; KHROMOV, B.M.,
prof.; SHRAYBER, M.G., prof.; D'YACHENKO, P.K., red.

[Manual for the physician on emergency and first aid] Spra-
vochnik vracha skoroi i neotlozhnoi pomoshchi. Izd.2., ispr.
1 dop. Leningrad, Meditsina, 1965. 355 p. (MIRA 18:4)

ABRAMOV, Sh.I., prof.; BAIROV, G.A., prof.; BLINOV, N.I., prof.;
GADZHIYEV, S.A., prof.; GODUNOV, S.F., prof.; GOMZYAKOV,
G.A., prof.; DEMIN, V.N., prof.; ZVORYKIN, I.A., prof.;
KAPITSA, L.M., kand. med. nauk; MOKROVSKAYA, S.P., kand.
med. nauk; POSTNIKOV, B.N., prof.; PORKSHEYAN, O.Kh.,
prof.; SIDORENKO, L.N., kand. med. nauk; TAL'MAN, I.M.,
prof.; FEDOROVA, A.D., kand. med. nauk; FILATOV, A.N.,
prof.; KHROMOV, B.M., prof.; SARKISOV, M.A., red.

[Errors, hazards and complications in surgery] Oshibki,
opasnosti i oslozheniia v khirurgii. Leningrad, Me-
ditsina, 1965. 563 p. (MIRA 18:7)

KHROMOV, B.M. (Leningrad); KOZLOVA, A.V.; KALINA, V.I.; ZADGENIDZE, G.A.;
FILIPPOVA, V.A.

Book reviews. Med. rad. 10 no.11:84-91 N '65.

(MIRA 19:1)

KHROMOV, Boris Mikhaylovich; ABRAKOV, L.V., red.

[Acute suppurative surgical diseases] Ostrye gnoinye
khirurgicheskie zabolevaniia. Izd.2., dop. i perer.
Leningrad, Meditsina, 1965. 318 p. (MIRA 18:2)

KHROMOV, B.M., prof. (Leningrad)

Reviews. Fel'd. 1 akush. 28 no.6:61-62 Je'63. (MIRA 16:8)
(MEDICINE)

KHROMOV, B.M., prof.

Result of treating stenocardia with a novocaine block. Vrach.
delo no.7:30-34 J1'63. (MIRA 16;10)

1. Leningradskiy institut usovershenstvovaniya vrachey imeni
S.M.Kirova.
(ANGINA PECTORIS) (NOVOCAINE)

S/058/61/000/012/074/083
A058/A101

AUTHORS: Kirenskiy, L. V., Khromov, B. P.

TITLE: Investigation of the saturation-approximation law in siliceous iron single crystals

PERIODICAL: Referativnyy zhurnal, Fizika, no. 12, 1961, 391, abstract 12E748
(V sb., "Magnitn. struktura ferromagnetikov". Novosibirsk, Sib., otd. AN SSSR, 1960, 217 - 225)

TEXT: In contrast to the preceding works, the saturation-approximation law propounded by N. S. Akulov was verified in the case of single-crystal specimens of cold-rolled transformer steel, which made it possible to avoid averaging of the $p(\gamma', \varphi')$ coefficient (γ' and φ' are polar coordinates of the external-magnetic field vector) that enters Akulov's formula. Magnetization curves were recorded for the [100], [110], [111], [221], [443] and [112] directions. Incident to the measurements the specimens were magnetized by means of an audiofrequency alternating current; the resulting signal was then amplified and recorded on photographic film. It was inferred that the saturation-approximation law in its classic form is inapplicable to large-size single-crystal specimens. In the opinion of the

Card 1/2

Investigation of the...

S/058/61/000/012/074/083
A058/A101

authors, this is due to the fact that in deducing the said law, the presence of domain structure, which depends essentially on crystal size, was not taken into account.

V. Ivanovskiy

[Abstracter's note: Complete translation]

Card 2/2

S/139/60/000/01/030/041
E201/E391

AUTHOR: Khromov, B.P.

TITLE: The Law of Approach to Saturation in the Three Main Directions of a Silicon-iron Monocrystal

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Fizika, 1960, Nr 1, pp 171 - 177 (USSR)

ABSTRACT: The ballistic method of investigating the approach to saturation is not sufficiently sensitive in the case of small samples. A better method is the use of an AC magnetic bias field (Refs 1-3). The author used this method to investigate the law of approach to saturation in silicon-iron monocrystals (3.3% Si) cut from cold-rolled transformer steel sheet and annealed in vacuo at 1 000 °C for 4 hours. The sample dimensions were 60 x 0.5 x 0.7 mm. The AC bias field ΔH , did not exceed 5 Oe and this meant that the magnetization curve could be regarded as linear. The apparatus used is shown in block form in Figure 3 (details of circuitry are given in Figures 1 and 4). Two compensated measuring coils l_1 and l_2 were placed in the centre of a single-layer bias-field solenoid

Card1/3

S/139/60/000/01/030/041

E201/E391

The Law of Approach to Saturation in the Three Main Directions of
a Silicon-iron Monocrystal

L_1 , placed inside a magnetizing coil L_2 . The measuring coils had 4 500 turns each and the voltages induced across them did not exceed 5 μ V. Inside L_1 and L_2 a constant magnetic field H , with a pulsating component ΔH , was produced. When a sample was placed in the coil L_1 an emf was produced which was amplified and passed to a mirror galvanometer. Readings of the galvanometer were recorded optically on a moving film. For a given sample under fixed external conditions the galvanometer reading was directly proportional to the magnetization ΔJ , corresponding to a pulsation ΔH with a given constant field H . From these quantities the differential susceptibility χ of the sample could be calculated. Variation of H with $\Delta H = \text{const}$ altered the value of ΔJ and the change of the differential susceptibility with the field H was recorded on the moving film. The measurements were carried out at 10 °C and the results were more accurate than those of Danan (Ref 5). It was found that the law of approach to saturation in the

Card2/3

S/139/60/000/01/030/041

E201/E391

The Law of Approach to Saturation in the Three Main Directions of a Silicon-iron Monocrystal

directions $[100]$ and $[111]$ had the form
 $\chi = (aJ_s/H^2) + \chi_p$ (Figure 5). The magnetic "rigidity" coefficients for the easy and difficult magnetization axes were found to be $a_{100} = 0.3$ and $a_{111} = 0.7$. The law of approach to saturation for the direction of medium magnetization $[110]$ was $\chi = (B/H^3) + \chi_p$ (Figure 6). The susceptibility of the para-process in silicon-iron at 10°C was found to be 4.5×10^{-4} . There are 6 figures and 9 references, 6 of which are Soviet, 2 French and 1 German.

ASSOCIATION: Krasnoyarskiy politekhnicheskii institut
 (Krasnoyarsk Polytechnical Institute)

SUBMITTED: October 20, 1958

Card 3/3

KHROMOV, B. P., Cand Phys-Math Sci -- "Study of the law of approximation to saturation ^{SV} ~~in the~~ monocrystals of ferro-silicon." Krasnoyarsk, 1961. (Min of Ed RSFSR. Krasnoyarsk Ped Inst) (KL, 8-61, 229

- 53 -

ACC NR: AP7005130

SOURCE CODE: UR/0126/66/022/004/0551/0555

AUTHOR: Khromov, B. P.; Ayurzanayn, B. A.

ORG: Krasnoyarsk Polytechnic Institute (Krasnoyarskiy politekhnicheskiy institut)

TITLE: Susceptibility of the para-process in elinvar alloys

SOURCE: Fizika metallov i metallovedeniye, v. 22, no. 4, 1966, 551-555

TOPIC TAGS: magnetization, elinvar alloy, iron nickel alloy, chromium, magnetic susceptibility, magnetic anisotropy

ABSTRACT: Elinvar alloys display a number of anomalies: considerable magnetostriction of the para-process; a relatively low coefficient of thermal expansion, and a complex temperature dependence of these properties. The nature of these anomalies is associated with ferromagnetism, and hence their elucidation should be furthered by investigating the magnetic properties of these alloys. In this connection, polycrystalline cylindrical specimens of Ni-Cr-Fe elinvar alloys (32% Ni, 6-12% Cr, with Fe as the remainder) were subjected to measurements of differential susceptibility in various magnetic fields of up to 3000 oe with the aid of a previously described experimental setup (Khromov, B. P. Izv. vuzov, Fizika, 1960, no. 1, 171).

Card 1/2

UDC: 538.214:538.221

ACC NR: AP7005130

Findings: for these elinvar alloys magnetization in fields of more than 300 oe occurs owing to the para-process. The dependence of para-process susceptibility on field intensity is in good agreement with the theoretical conclusions of Holstein and Primakoff (Phys. Rev., 1940, 58, 1098). In laboratory fields -- several thousand oersteds -- the para-process susceptibility of elinvar alloys exceeds by one or two orders of magnitude the susceptibility of nickel and iron. The dependence of para-process susceptibility on field intensity is stronger for the alloys with the higher contents of Cr. It is to be expected that the magnetic anisotropy constant of elinvar alloys should be much lower than for nickel and iron. For the elinvar alloy containing 12% Cr at room temperature, positive susceptibility can be expected to diminish to zero and, in fields of several tens of thousands of oersteds, acquire negative values; it would be interesting to experimentally verify this assumption, for which no theoretical explanation is yet available. Orig. art. has: 3 figures, 1 table, 1 formula.

SUB CODE: ¹¹12/ 20/ SUBM DATE: 27Dec'65/ ORIG REF: 005/ OTH REF: 006

Card 2/2

Khar'kov, D. K.

Khar'kov, D. K. "On the gravimetric derivation of the deflections of the plumb line",
Byulleten' In-ta teoret. astronomii (Akad. nauk SSSR), Vol. IV, No. 3, 1949, p. 126-33.

So: U-3261, 10 April 53, (Letopis 'Zhurnal 'nykh Statey, No. 12, 1949).

KHROMOV, D.P.

Finishing hardboards at the Wood Processing Combine No.4 of
the Main Administration of the Building Material Industry.
Der. prom. 13.03.19-21 Mr'64 (MIRA 17.7)

1. Derevoobrabatyvayushchiy kombinat No.4 Glavnogo upravleniya
promyshlennosti stroitel'nykh materialov i stroitel'nykh detaley.

KHROMOV, F.R.

KHROMOV, F.R.: "Cancer of the mammary glands and its treatment". Stalinsk, 1954. Station Branch of the Oncodispensary of the City of Stalinsk; and Chair of Faculty Surgery, Tomsk Medical Inst imeni V.I.M. Molotov. (Dissertations for the Degree of Candidate of Medical Sciences).

SO: Knizhnaya letopis' No 44, 29 October 1955. Moscow.

KHROMOV, G.

~~_____~~
New astronomical literature. Astron. zhur. 40 no.3:596
My-Je '63. (MIRA 16:6)
(Bibliography—Astronomy)

KHROMOV, G.

The First All-Union Conference of Young Astronomers. Astron.tsir.
no.269:4 N '63. (MIRA 17:4)

1. Gosudarstvennyy astronomicheskiy institut im. Shternberga, Moskva.

SHATSILLO, A.A., inzhener; KHENDOV, G.A., inzhener.

Automatic welding of wheel rim flanges. Elek.i tepl.tiaga no.8:36-38
Ag '57. (MIRA 10:8)

(Car wheels)

~~KHROMOV~~, Gennadiy Andreyevich, SHATSILLO, Anton Adamovich, SHIRYAYEV, A.P.,
inzh.red.; BOBROVA, Ye.N., tekhn.red.

[Machining mounted wheel pairs of electric motor cars] Obtochka
kolesnykh par elektrosektsii bez vykatki. Moskva, Gos. transp. shel-
dor. izd-vo, 1958. 27 p. (MIRA 11:9)
(Car wheels)

KHROMOV, G.A.; ANDREYEV, A.V.

Equipping electrified section with automatic doors. Elek. i
tepl.tiaga 3 no.2:27-29 F '59. (MIRA 12:4)
(Doors)
(Electric railroads--Equipment and supplies)

KHROMOV, Gennadiy Andreyevich; YESIPOV, Aleksandr Aleksandrovich;
SIDOROV, N.I., inzh., red.; KHITROVA, N.A., tekhn.red.

[Automatic hard facing of tires for wheel pairs of electric locomotives] Avtomaticheskaya naplavka bandazhei kolesnykh par elektrovozov. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshcheniia, 1960. 25 p. (MIRA 13:6)
(Electric locomotives) (Car wheels)

KHROMOV, G.A., inzh.

Use of the exhaust steam of a turbo-feed pump in the heat network
of a thermal electric power plant. Energetik 11 no.1:6-7 Ja
'63. (MIRA 16:1)
(Electric power plants) (Pumping machinery)

KHEMNOV, G.A., inzh.; SHATSILIO, A.A., kand. tekhn. nauk

Heating of the rubber-metal hinges of the traction driving
gear of locomotives. Vest. TSNII MPS 23 no.8:30-31 '64
(MYRA 18:2)

KHROMOV, G.A., inzh.; SHATSILLO, A.A., kand. tekhn. nauk; BLINOVA, Z.A.,
kand. tekhn. nauk; VINITSKIY, L.Ye., kand. tekhn. nauk

Service life of the rubber-metal hinged shock absorbers of locomotives.
Vest. TSNII MPS 24 no.5:35-38 '65. (MIRA 18:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektromekhaniki i
Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo
transporta.

L 25406-65 EWT(m)/EPF(c)/EPR/EIP(j)/T Pc-l/Pr-l/Ps-l RPL WD/RM

ACCESSION NR: AP5002819

S/0191/65/000/001/0007/0008

AUTHOR: Popova, G. L.; Khroshilova, I. P.; Khromov, G. L.

TITLE: Copolymerization of 3,3'-bis-(chloromethyl)-oxacyclobutane with oligomer epoxides

SOURCE: Plasticheskiye massy, no. 1, 1965, 7-8

TOPIC TAGS: copolymerization, trimer property, epoxy resin, amine catalyst, boron trifluoride, oligomer, oxide, oxacyclobutane polymer, propylene derivative

ABSTRACT: 60% ED-6 (11.5% epoxy groups) was copolymerized with 3,3'-bis-(chloromethyl)-oxacyclobutane (ED-6) in the presence of 10% BF₃ complex at 120°C. The authors obtained solid, transparent and glassy materials, insoluble in organic solvents and non-melting. Properties are listed for one variant (60% ED-6,

centistokes, acid number = 0.11 mg KON/g, 26.34% ethylene oxide groups), using a BF₃ amine complex as the catalyst. The temperature was raised to 120°C over a period of 30 min, maintained for 1 hour at that level and the polymer was heat treated for 2 hrs at 200°C. The authors obtained solid, transparent and glassy materials, insoluble in organic solvents and non-melting. Properties are listed for one variant (60% ED-6,

Card 1/2

L 25406-65

ACCESSION NR: AP5002819

40% monomer, 0.5% catalyst) and tests show that the composition exhibits good mechanical strength, dielectric properties and moisture stability. Orig. art. has: 2 table and 1 formula.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: 00

NO REF SOV: 002

OTHER: 000

Card 2/2

L 20373-66 EWT(m)/EWP(v)/EWP(j)/T/ETC(m)-6 WW/RM

ACC NR: AP6006537

(A)

SOURCE CODE: UR/0191/65/000/011/0011/0013

AUTHORS: Popova, G. L.; Khromov, G. L.; Khoroshilova, I. P.; Kochurenkova, O. A.

ORG: none

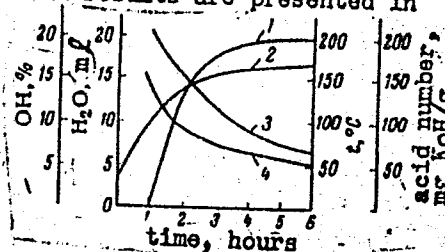
TITLE: Synthesis of self-extinguishing halogen-containing polymers

SOURCE: Plasticheskiye massy, no. 11, 1965, 11-13

TOPIC TAGS: polymer, polyester, fire resistant material, phenol, glycol, glycerin, condensation reaction, polyester plastic, hydroxyl group

ABSTRACT: It was the object of the investigation to synthesize a number of fire-proof polymers on the basis of chlorendic acid or of its anhydride and of different polyhydroxyphenols (glycols, glycerin, xylitol, trimethylolpropane, methyltrimethylolmethane, and xylitane) as well as a bromine-containing epoxy resin. The kinetics of the polymerization was studied, and the experimental results are presented in tables and graphs (see Fig. 1).

Fig. 1. Kinetics of polyester condensation of the polymer obtained by condensing chlorendic anhydride, triethyleneglycol, and methyltrimethylolmethane (mole ratio 1:1:1). 1 - reaction water; 2 - reaction temperature; 3 - hydroxyl content; 4 - acid number.



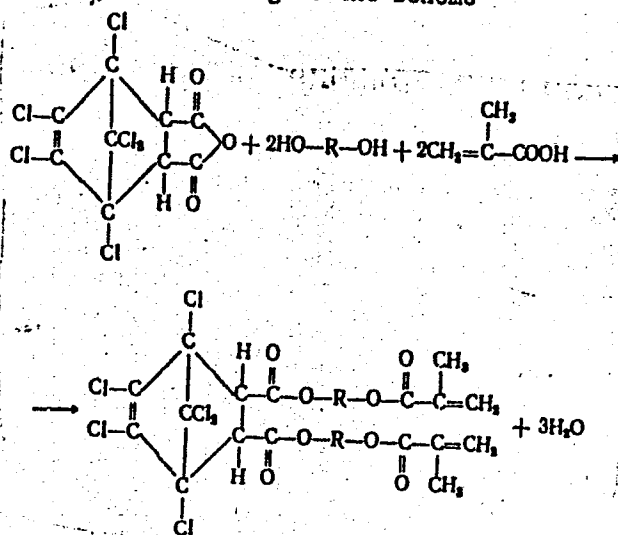
Card 1/2

UDG: 678.674:678-944

L 20373-66

ACC NR: AP6006537

The polyesters were synthesized according to the scheme



The ignition temperatures of the synthesized polymers were determined and were found to be in the region of 680--930C. It is concluded that the bromine-containing epoxy resin is suitable for use as an adhesive for pressed and laminated plastics. Orig.

Card 2/2 SUB CODE: 02 // SUBM DATE: ncne/ ORIG REF: 005/ OTH REF: 009 vmb

KHROMOV, G.S.

Variations in the spectra of planetary nebulae IC 4997 and NGC
6905. Astron.zhur. 38 no.5:809-818 S-0 '61. (MIRA 14:9)

1. Gosudarstvennyy astronomicheskiy institut im. P.K.Shternberga.
(Nebulae--Spectra)

KHROMOV, G.S.

Masses and shapes of planetary nebulae. Astron.zhur. 39
no.3:468-475 My-Je '62. (MIRA 15:5)

1. Gosudarstvennyy astronomicheskiy institut im. P.K.Shternberga.
(Nebulae)

KHROMOV, G.S.

Role of light pressure in the dynamics of planetary nebulae.
Astron. zhur. 40 no.5:799-806 S-0 '63. (MIRA 16:11)

1. Gosudarstvennyy astronomicheskiy institut im. P.K. Shternberga.

L 64703-65 FBD/EWT(1)/EWG(v)/EEC-4 GW/WS-4

ACCESSION NR: AR5012301

UR/0058/65/000/003/H062/H062

SOURCE: Ref. zh. Fizika, Abs. 32h392

AUTHOR: Sholomitskiy, G. B.; Kuril'chik, V. N.; Matveyenko, L. I.; Khromov, G. S.
55 55 55 55

TITLE: Three sources of radio emission with peculiar spectra

CITED SOURCE: Astron. tsirkulyar. no. 283, 18 fev., 1964, 2-3

TOPIC TAGS: radio emission, cosmic radio source, radiation spectrum

TRANSLATION: Observations on the 32 m wavelength confirmed the existence of three discrete sources LHE 459, 523 and 210 not contained in surveys made on lower frequencies. Radiation from the sources was measured at frequencies of 85.5, 159 and 178 Mc. The unusual form of their spectra is noted. It is pointed out that the spectral data must be refined and the angular dimensions of the objects must be determined.

SUB CODE: AA, EC

ENCL: 00

dm
Card 1/1

KHROMOV, G.S.

Discussion on the subject "Shedding of shells by novae." Vop. kosm.
10:179-180 '64. (MIRA 17:10)

L 63630-65

EEC-1/ENG(v)/ENT(1)/FBD

ACCESSION NR: AP4017614

Ps-5/P1-1/Pao-2

GW/MS-1

UR/0033/64/041/001/0071/0074
523.85

AUTHOR: Khromov, G.S.

48
47
5

TITLE: Radio emission from planetary nebulae and the determination of their mass

SOURCE: *Astronomicheskii zhurnal*, v. 41, no. 1, 1964, 71-74

TOPIC TAGS: planetary nebula, radio astronomy, nebula mass determination, expanding nebula, nebula ionization

ABSTRACT: Recent successes in observing radio waves from planetary nebulae and the probable future availability of a sufficient amount of data for statistical treatment prompted the author to investigate the possible uses of radio astronomical observations for the determination of masses of planetary nebulae and estimates of spatial nonuniformities. Theoretical deliberations show that these parameters can be derived from measurement of the flux density of a large number of planetary nebulae together with spectrophotometric estimates of the electron density and optical angular dimensions of these nebulae. It is shown that it is theoretically possible to determine the density at which an expanding planetary nebula becomes completely ionized experimentally. Orig. art. has: 9 formulas and 2 figures.

Card 1/2

Card

KC
2/2

L 17937-65 EWT(1)/FBD/ENG(v)/EEC-4/EEC(t) Pa-5/Pi-4/Pae-2 GH/VS
 ACCESSION NR: AP4047152 S/0033/64/041/005/0823/0828

AUTHOR: Sholomitskiy, G. B.; Kuril'chik, V. N.; Matveyenko, L. I.;
Khromov, G. S.

TITLE: Observations of some weak radio emission sources at a wave-
 length of 32 cm

SOURCE: Astronomicheskii zhurnal, v. 41, no. 5, 1964, 823-828

TOPIC TAGS: radio emission, weak radio emission, radio emission
 source, extragalactic radio source

ABSTRACT: In the fall of 1963 an investigation of 13 weak radio emis-
 sion sources was carried out by means of high-sensitivity radio equip-
 ment installed on an antenna which had previously been used for radar
 observations of planets. A radiometer, using a semiconductor diode
 modulator was used. The radiometer had a bandwidth of 10 mc. With
 the antenna directed toward the zenith, the total noise temperature
 of the receiving system was 250K. As reference sources, radio sour-
 ces 3C-33 and 3C-273 were used, for which flux magnitudes were
 assumed to be 18.8×10^{-26} and 43.5×10^{-26} w/m² cps, respectively.

Card 1/2

L 17937-65

ACCESSION NR: AP4047152

The radiometer calibration signal was 25K. The thirteen observed sources were: 3C-255, 3C-267, 3C-289, 3C-293, 3C-299, 3C-349, 3C-411, R18, NGC 891, LHE-36, LHE-210, LHE-459, and LHE-523. The results of the observations show that the majority of radio sources with small angular dimensions exhibit a sudden change in the spectrum at a frequency lower than that occurring in sources having large angular dimensions. The authors consider that this phenomenon is due to the physical characteristics of the source itself rather than to red shift. Orig. art. has: 3 figures and 2 tables.

ASSOCIATION: Gos. astronomicheskii in-t im. P. K. Shternberg (State Institute of Astronomy); Fizicheskii in-t im. P. N. Lebedeva (Institute of Physics)

SUBMITTED: 26Feb64

ENCL: 00

SUB CODE: EC, DC

NO REF SOV: 002

OTHER: 014

Card 2/2

KHROMOV, G.S.

Neutral oxygen lines in planetary nebulae. Astron. zhur. 42 no.3:
543-551 My-Je '65. (MIRA 18:5)

1. Gosudarstvennyy astronomicheskiy institut im. P.K.Shternberga.

KHROMOV, G.S.

Radio emission from planetary nebulas. Astron. Zhur. 42 no.5:918-922
S-0 '65. (MIRA 18:10)

1. Gosudarstvennyy astronomicheskiy institut im. P.A. Shternberga.

KHROMOV, C.S.; INDISOV, O.S.; MATVEYENKO, L.I.; TUREVSKIY, V.M.; SHOLOMITSKIY,
G.B.

Observations of the radio-frequency radiation from planetary
nebulae at a wavelength of 32.5 cm. Astron.zhur. 42 no.5:1120-
1121 S-0 '65.

(MIRA 18:10)

1. Gosudarstvennyy astronomicheskiy institut im. P.K.Shternberga.

REEL #223
Khorkhota, A.Y.
to
Kromov, G.S.

END